IT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		1199925-00	
		T - 23999-00	
		11999-00	
		BT - 1200-00	
		SD - 59996-00	
		DS : 97194-00	
		Sum 1402731-00	

I st And Final Bill

Work code - 005-16-000008

Est cost Rs - 40.00 Lacs

M. A. R. 57 (Rule 116) **No. B**

Measurement Book

356722

Serial No. .....

Name of Work ..... Improvements to Road And Drains At Agrahara village to Lake Road From ..... To in Ward No. 05

Name of Contractor of nature of Agency ..... Byatarayanapura Sub division.

Date of commencement of work ..... SBAM: AC/24-2/B

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Work order No. - EE/BTP/BBMP/E-PMT/202/2015-16.						
	Name of Contractor - Sri. Gopi Reddy I st Cross I st main Ramachandrappa Layout. Byrannarayana. B'lore - 45.						
	(1) Earthwork in Surface Excavation in ordinary soil for Levelling and lowering the ground manually otherwise than in Buildings Culverts Road drains and trenches & Pipeline and cable) and removing the excavated stuff to a distance						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	not exceeding 30 m and over upto 1-50 m excavated surface levelled and neatly dressed disposal earth to be levelled after breaking of clods and neatly dressed etc. complete.						
	As per Pre-measurment recorded vide Page no. 356762 to 356763 in this MB.					576.45 M³	
	Rate. 133:46						76933:01
(2)	Earth work excavation for foundation & buildings trenches water supply sanitary line and electrical conduit pipes in pits or trenches 1-50 m and above in width						

Serial No. .....

Name of Work ..... From..

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	in hard soil not exceedi the bottom and sides & p Soil clean from edges & e breaking of clods comple	
	As per Pre-measur No.- 356764	to
	UP	to 12
	Rate - 250:00	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
ing 50 MSR and less upto 1.50 M				
eed and neatly dressed sides				
breaking of clods as nearly				
urement recorded vide				
2 to 356763 in this MB.				
576.45 M³				
76933.01				
for foundation & buildings				
mitary line and electrical conduc				
s 1.50 MSR and above in width				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356723

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	in hard soil not exceeding 1.00 MSR in depth including dressing the bottom and sides & ends and leaving Soil clear from edges & excavation on completion of breaking & clods complete as per specification.						
	As per pre-measurement recorded vide Page No. 356764 to 356765 in this MB					328.53 M³	
	up to 125% Quantity					246.10 M³	
	Rate 250.00						61525.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Above	125	Quantity			282.43 M^3	
	Rase - 250:00						70607:50
(3)	Providing trimmed slabs of selected quality granite dressed and fixed in cement mortar 1:6 including fixing arris etc. complete 7.5 cm thick etc. compleed.						
	Agraharam Increase to Lake Road.	1	30.00	1.65	–	49.50	

M. A. R. 5
Measure

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number	Le
1	2	3	
		1	3
		1	3
		1	3
		1	3
		1	3
		1	3
		1	3
		1	3
		1	3

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
: Quarry			282.43 M³	
			70607.50	
ng & selected Quarry Rock by				
ment Mortar 1:6 including				
pose 7.5 cms service ese.				
30.00	1.65	-	49.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356724

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents	Reference to last Measurement
		Number 3	Length 4	Breadth 5	Depth 6	49.50 7	8
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	
		1	30.00	1.65	-	49.50	

C.F.C. 86/09

495-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	1.65	-	49.50	
		1	23.80	1.65	-	39.27	
						583.77 m^2	
	Rate · 620 : 00					361937 =	
(7)	Construction & Embankment with approved material Gravel/Murrum with all lifts and leads transporting to site Spreading grading to required slope and compaction to meet requirement page 300 - 2 Complete as per Specification (which includes cost & travel/murrum watering charges and compaction by vibratory roller) etc.						

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	As per Pge. M Page no. 356	
	Rate · 320 : 12	
(8)	Construction & Grave material Spreading in Prepared Surface mixi as one and compacting	

OK

Depth 6	Contents 7	Reference to last Measurement 8
-	49.50	
-	39.27	
	583.77 m^2	
		361937 = 1
		Approved material
		Loads transporting
		and Slope and Compacting
		Complete as Per
		& Gravel / murram
		by ordinary grader)

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356725

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	As per Pre-measurement recorded vide in this MB. Page no. 356765 to 356767					384.30 m^3	123022 = 11
	Page. 320 = 12						
	(3) Construction & Granular Sub base by providing coarse graded material Spreading in uniform Layers with motor grader on Prepared Surface mixing by mix in place method with grader as one and Compacting with ordinary Roller to achieve						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Dry Desired density Compose as per specification. Else Compose.						
	As per Pre. Measurement recorded vide Page no.. 356767 to 356769 in this MB.					612.14 M^3	
	Rate. 1582:58						968760:82
(4)	Providing Carpet spreading to wet mix macadam specification including premixing the material with water at one in mechanical mix plant Compose & mixed method to sipper to fix Carpet in uniform Carpet						

M. A. R. 57 (
Measureme

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number	Lengt
1	2	3	4
	WM Paver in sub base co and compacting WM with density Compose as per s		
	As per Pre. measurem Page no.. 356769 to 3		
	up to 125 y. Quarr		
	Rate. 1290:00		
	Rate. 1290:00 Above 125 y. Quar		

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
e as per specification.			
ut recorded vide			
769	in this MB.		
	612.14 M^3		
			968760=80
h wet mix macadam			
sing the material WMM			
nx plant Compact			
Laying in uniform Course			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356726

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	WM Paver in 3rd base Course on well Prepared Surface and compacting WM vibratory roller to achieve the desired density Compact as per Specification.						
	As per Pre-measurement recorded vide Page No.. 356769 to 356772						
						581.94 M^3	
	up to 125 % Quantity					481.25 M^3	620812=80
	Rate. 1290=00						
	Rate. 1290=00 Above 125 % Quantity					100.69 M^3	129890=10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Providing and applying primer coat @ rate 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface & granular base with cut back bitumen MC 70 grade other bitumen mixed with diesel @ 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost & all necessary labour complete as per specification. As per Pre-measurement recorded vide Page No. 356772 to 356773 in this MB. 1921.00 M² Rate 30/-						576.45=00

M. A. R
Meas

Serial No. .....
Name of Work ..... From....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
(9)	Providing and laying [illegible] surface with crushed [illegible] formula for base [illegible] aggregates with [illegible] and bitumen in hot mix [illegible] pre mixed material in [illegible] materials with paver [illegible] grade meeting the requirements [illegible] 75mm compa[illegible]	

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
er Coats from 7-5 to 9.8 cm ger surfaces & low and over prepared surface c MC 70 evenly over @ as per co saurier heated ay see Correcting course & all necessary labour - recorded vide 773 in this MB 1921.00 M2			576.45=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B
356727

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(9) Providing and laying bituminous macadam on prepared surface with crushed coarse aggregate as per design mix formula for base / binding course including loading & aggregates with F.E. loader hot mixed & stone aggregate and bitumen in hot mix plant 120 tonnes capacity transporting mixed material in tipper to paver and laying mixed materials with paver finisher to required level and grade rolling by power roller to achieve required density 90 / 75 mm compacted thickness on cold weather item						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including Cost & all necessary Labour Hom & memory Compose as per Specification. As per Pre-measurement recorded vide Page No.. 356774 to 356775 Page No. 5841-72					96.08 M³	561272
(10)	Providing and applying tack coat on granular base Grades WBM and WMM Surface Hot Bitumen Primed as to us Per Lo-Saxmix heating & Cement in boiler fixed with Sprayer set Excluding cleaning						

M. A
Me

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	& Road Surface) in Labour Hom & memo Morth Specification As per Pre-meas Page No.. 356775 Page. 19:08	
(11)	Providing and Carry WM 100-120 TPH bat	

BOOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
		...ing Cassun Kom & mennering	
		...en.	
		...ment recorded vide	
		...77r	
		...is this MB.	
		96.08 M³	361272
		...ck coat on granular	
		...n surface hot Bitumen	
		...or heating & cement in	
		...5 (Excluding cleaning	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

356728

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	& Road Surface) including cost & all necessaries Cassun Kom & mennering Complete as per Specification Morth Specification etc. complete. As per Pre-measurement recorded vide Page No.. 356775 & 356776 in this MB. Rate. 19:08 Providing and Laying Bituminous Concrete Kommuna NM 100-120 TPH batch type hot mix Plant Producing					1921.00 M²	36662--

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	an average Output of 375 tonnes per hour using Crushed aggregate & sourced grading premixed with Stemming binder at 5% to 5.0% & mix and Paver transporting mix to work site & laying with hydraulic power finisher with Sensor control to the desired grade level and alignment Rollers with Smooth wheeled vibratory and tandem Rollers to achieve the desired Compaction as per Morth Specification clause No 500.9 Complete in all respects as per Specification 30mm to 45mm Compacted thickness with 6% Stemmen 40/60 etc. Complete as per Specification						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Agrahara Village to Lake Road -	

C&P.C. 26/07

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ornes per hour using			
d grading premixed			
5.4 to 5.0 x 8 mix and			
mix to wet close carri			
ner with sensor control			
and alignment levels			
and tandem roller to			
ion as per MoRTH specifi			
is all aspects as per			
Compacted thickness			
- Contract agreement			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356729

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Aghrahara village to Lake Road -						
		1	30.00	(5.50+5.10)/2	x0.04	6.30	
		1	30.00	(5.10+5.80)/2	x0.04	6.54	
		1	30.00	(5.80+5.70)/2	x0.04	6.90	
		1	30.00	(5.70+5.90)/2	x0.04	6.96	
		1	30.00	(5.90+5.95)/2	x0.04	7.11	
						33.81	

C&B.C. 96/04

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	33.81	
1	2	3	4	5	6	7	8
		1	30.00	(5.95 + 5.60) / 2	x 0.04	6.93	
		1	30.00	(5.60 + 5.50) / 2	x 0.04	6.66	
		1	30.00	(5.50 + 5.10) / 2	x 0.04	6.36	
		1	30.00	(5.10 + 5.70) / 2	x 0.04	6.48	
		1	30.00	(5.70 + 5.10) / 2	x 0.04	6.48	
		1	30.00	(5.10 + 5.00) / 2	x 0.04	6.06	
		1	15.00	(5.10 + 4.90) / 2	x 0.04	2.97	
						75.75	

C&F.C

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Rate · 7327 : 7
(6)	Load for disposal by mechanical means from 0.00 to 2.00 km

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	33.81 7	8
(5.98 + 5.60)			
2	x 0.04	6.93	
(5.60 + 5.50)			
2	x 0.04	6.66	
(5.50 + 5.10)			
2	x 0.04	6.36	
(5.10 + 5.70)			
2	x 0.04	6.48	
(5.70 + 5.10)			
2	x 0.04	6.48	
(5.10 + 5.00)			
2	x 0.04	6.06	
(5.10 + 4.90)			
2	x 0.04	2.97	
		75.75	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356730

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 75.75 7	Reference to last Measurement 8
		1	10.00	4.90	0.04	1.96	
						76.86 M	77.71.
	Rate. 7327:78						563213:17
	load for disposal Surface Pakase by Mechanical means including loading and unloading from 0.00 to 2.00 KM Compose as per Specification.						

MEASUREMENT BOOK

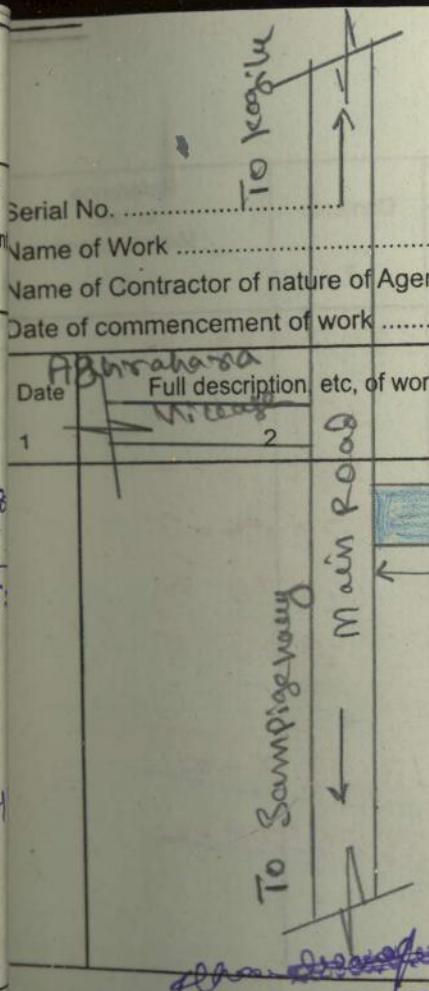
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Excavating vide Item No. ① and ②						
			(576.45 + 528.53) :			1104.98 M³	
	Rate. 59:00						65193:8
					Total Rs.		3697475:
	Certificate						
	① Certified that the Work done basic Survey						
	② This bill amount has not been claimed in any previous bill.						
	Bhandara 5/9/17						
	ಸಹಾಯಕ ಅಭಿಯಂತರರು						

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24



M. A. R.
Measu

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3

Bhandara

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Contents	Reference to last Measurement
7	8
②	
1104.98 M	
65193 : 8	
Total Rs. 3697475	
Received Rs. 51/9/17	
- Bangalore	
been Credited in ac	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

M. A. R. 57 (Rule 116)
Measurement Book

No. B 356731

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Abstracted						
	To Kogilu						
	Main Road						
	To Sampigeyway						
			355.00 MM				
			= Asphalt Road				
							Lake

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

20/1/2018

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs 3697475-00	
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 3697475-00					IT 36975-00	
	ಗಳಿಗೆ ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 131937-00					Cess- 36975-00	
	ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 3565538-00					CBF- 3697-00	
	Rs: Thirty five Lakhs Sixty five thousand five hundred thirty eight rows.					LR- 44370-00	
	ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ					Fine- 9920-00	
	ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಸಹಾಯಕ ಲೆಕ್ಕಾಧಿಕಾರಿ ಬ್ಯಾಡರಹಳ್ಳಿಪುರ ವಿಭಾಗ ಬ್ಯಾಡರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ ಬೃ. ಬೆ. ಮ. ಪಾ ಬೃ. ಬೆ. ಮ. ಪಾ					Addu- 131937-00	
						Cheque 3565538-00	

M.

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	